

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	691	(408/144).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:33
S2	202	(408/215).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:32
S3	78	(408/219).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:32
S4	51	(408/220).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:35
S5	200	(408/222).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:32
S6	538	(470/198).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:33
S7	485	(76/108.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:33
S8	208	(76/108.6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:34
S9	744	(76/115).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:34
S10	164	(76/117).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 14:34
S11	6	408/144,215,219,220,222.ccls. and (helix adj2 angle) and chamfer\$2 and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:19

## EAST Search History

S12	11	408/144,215,219,220,222.ccls. and (helix adj2 angle) and chamfer\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:03
S13	0	470/198.ccls. and (helix adj2 angle) and chamfer\$2 and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 17:35
S14	9	"408"/\$.ccls. and tap and HRC	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 14:54
S15	38	"408"/\$.ccls. and tap and (helical with flute)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:02
S16	9	("4761844"   "4831674"   "4934040"   "4943191"   "5098232"   "5413438"   "5429459"   "5704736"   "5733078").PN. OR ("6345941").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 14:59
S17	12	("4651374").PN. OR ("4831674").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 15:00
S18	0	76/108.1,108.6,115,117.ccls. and (helix adj2 angle) and chamfer\$2 and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:01
S19	3	76/108.1,108.6,115,117.ccls. and (helix adj2 angle) and chamfer\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:01
S20	1	"408"/\$.ccls. and tap and (steam adj2 tempered)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:02
S21	13	"408"/\$.ccls. and tap and (steam wih tempered)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:06
S22	16	"408"/\$.ccls. and tap and (steam wih temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:07
S23	40	"408"/\$.ccls. and tap and (high with speed with steel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 16:25

## EAST Search History

S24	10	"408"/\$.ccls. and tap and (PVD)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:35
S25	12	"408"/\$.ccls. and (helix adj2 angle) and chamfer\$2 and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:25
S26	13	"408"/\$.ccls. and tap and (helix adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:33
S27	30	"408"/\$.ccls. and tap and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:33
S28	6	"408"/\$.ccls. and tap and (Physical with Vapor with Deposition)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 15:35
S29	4	"408"/\$.ccls. and tap and (powder with steel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 16:26
S30	2	("5487626").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/05/09 17:24
S31	4	("4963059").PN. OR ("5222847").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 17:34
S32	11	470/198.ccls. and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 17:38
S33	150	"76"/\$.ccls. and (rake adj2 angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:06
S34	1	"76"/\$.ccls. and (tap with (rake adj2 angle))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 17:39
S35	6	"76"/\$.ccls. and (tap and (rake adj2 angle))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 17:39

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S36	4	("4963059").PN. OR ("5222847").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/09 17:59
S37	33	"408"/\$.ccls. and (rear with chamfer\$2 )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:03
S38	2	"01171725"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:29
S39	43	GOTO-HARUO.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:30
S40	0	("2004/0258493").URPN.	USPAT	OR	ON	2005/05/09 18:37
S41	0	("2005/0042049").URPN.	USPAT	OR	ON	2005/05/09 18:38
S42	2	"408"/\$.ccls. and ((steam wih temper\$3) with (nitrogen with carbon))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:43
S43	0	"470"/\$.ccls. and ((steam wih temper\$3) with (nitrogen with carbon))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:53
S44	0	"76"/\$.ccls. and ((steam wih temper\$3) with (nitrogen with carbon))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/09 18:53
S45	4	"408"/\$.ccls. and tap and (helix adj2 angle)	US-PGPUB	OR	ON	2006/03/27 18:34
S46	9	"408"/\$.ccls. and tap and (rake adj2 angle)	US-PGPUB	OR	ON	2006/03/27 18:35
S47	171	"408"/\$.ccls. and (steam wih temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 18:09
S48	61	S47 and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 18:10
S49	2	"408"/\$.ccls. and (steam adj temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 18:09

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S50	73	"408"/\$.ccls. and temper\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 18:09
S51	30	S50 and temperature	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 18:10
S52	0	S50 and (temperature with "500")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/13 18:10
S53	4	tap and (steam adj temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:08
S54	2	"408"/\$.ccls. and tap and (steam adj temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:07
S55	1	"408"/\$.ccls. and tool and (steam adj temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:07
S56	0	"408"/\$.ccls. and drill and (steam adj temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:07
S57	2	"408"/\$.ccls. and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:14
S58	507	(steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:31
S59	13	tool and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:12
S60	8	drill and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:10

## EAST Search History

S61	5	S58 and ("500" with degrees)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:13
S62	0	S59 and ("500" with degrees)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:13
S63	0	S60 and ("500" with degrees)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:13
S64	2	"75"/\$.ccls. and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:18
S65	6	"148"/\$.ccls. and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:21
S66	0	"76"/\$.ccls. and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:20
S67	2	"408"/\$.ccls. and (steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:21
S68	42	(steam adj temper\$3) and nitrogen and (carbon adj dioxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:38
S69	23	S68 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:39
S70	2	S68 and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:40

## EAST Search History

S71	74	(steam adj temper\$3) and nitrogen and water	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:39
S72	38	S71 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:39
S73	2	S71 and tool	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:40
S74	17039	temper\$3 with steel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:45
S75	316	S74 and ("500" with degrees)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:45
S76	3	(steam adj temper\$3) with steel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:52
S77	152	S74 and nitrogen and (carbon adj dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:51
S78	1356	thread\$3 adj tap	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:51
S79	2009	thread\$3 adj tap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:51
S80	3	S79 and (steam adj temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:52
S81	20	S79 and (temper\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/27 15:52

## EAST Search History

S82	507	(steam adj temper\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/29 18:53
S83	27	S82 and degrees	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 18:53
S84	5	"2003000944"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 19:01
S85	1	"10481269"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 19:03
S86	2	"2003112536"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 19:03
S87	1	2003-112536	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 19:04
S88	1	0102233-4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 19:04
S89	0	("2004/0134568").URPN.	USPAT	OR	ON	2006/05/29 19:05
S90	17040	temper\$3 with steel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 20:05
S91	877	S90 and nitrogen and water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/05/29 20:05
S92	17050	temper\$3 with steel	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 21:59
S93	154	S92 and nitrogen and (carbon adj dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 21:59



## EAST Search History

S94	120	S93 and water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:00
S95	0	tempering with steel with nitrogen with (carbon adj dioxide) with water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:25
S96	0	temper\$3 with steel with nitrogen with (carbon adj dioxide) with water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:25
S97	1	(temper\$3 with steel) same nitrogen same (carbon adj dioxide) same water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:27
S98	3	(temper\$3 with steel) same nitrogen same (carbon adj dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:27
S99	1	(steam adj temper\$3) with nitrogen with (carbon adj dioxide) with water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:40
S10 0	3	Malagnino-Giovanna.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:39
S10 1	1	(steam adj temper\$3) with nitrogen same (carbon adj dioxide) same water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:42
S10 2	1	(steam adj temper\$3) with nitrogen same ((carbon adj dioxide) or water)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:42
S10 3	1	(steam adj temper\$3) with nitrogen same (carbon adj dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:41
S10 4	1	(steam adj temper\$3) with nitrogen with (carbon adj dioxide)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:41
S10 5	1	(steam adj temper\$3) with nitrogen same water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:42

## EAST Search History

S10 6	1	(steam adj temper\$3) with nitrogen with water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:42
S10 7	1	(steam adj temper\$3) same nitrogen with water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:42
S10 8	1	(steam adj temper\$3) same nitrogen same (carbon adj dioxide) same water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:43
S10 9	1	(steam adj temper\$3) and nitrogen same (carbon adj dioxide) same water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:43
S11 0	4	(steam adj temper\$3) and nitrogen and (carbon adj dioxide) and water	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/04 22:43
S11 1	1	"10/893366"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 12:49
S11 2	1	10/678217	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/05 12:49
S11 3	5	("1395198").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/05 13:14
S11 4	0	("1395198").URPN.	USPAT	OR	ON	2006/06/05 13:15